



AMENDMENTS TO THE CLAIMS

- 1) (Currently amended) Seed of soybean cultivar designated S52-U3 representative seed of said soybean cultivar having been deposited under ATCC Accession No: _____ PTA-5164.
- 2) (Currently amended) A soybean plant, or a parts thereof, produced by growing the seed of claim 1 of cultivar S52-U3, ~~seed of said cultivar having been deposited under ATCC Accession No: _____.~~
- 3) (Original) Pollen of the plant of claim 2.
- 4) (Original) An ovule of the plant of claim 2.
- 5) (Currently Amended) A soybean plant, or parts thereof, having all the physiological and morphological characteristics of ~~[[a]]~~ the plant according to claim 2.
- 6-7) (Canceled)
- 8) (Currently amended) Seeds produced by growing ~~[[of a]]~~ the plant according to claim 2 or 5.
- 9-13) (Canceled)
- 14) (Currently amended) A tissue culture of regenerable cells of the soybean plant according to claim 2 or 5, ~~wherein the tissue regenerates plants capable of expressing all the morphological and physiological characteristics of the plant according to claim 2.~~
- 15) (Canceled)
- 16) (Currently amended) ~~[[A]]~~ The tissue culture according to claim 14, wherein the cells ~~or protoplasts of the~~ of said tissue culture ~~being from a tissue~~ are selected from the group ~~comprising~~ consisting of ~~leaves~~ leaf, pollen, ~~embryos~~ embryo, ~~[[roots]]~~ root, ~~flowers~~ flower, ~~[[seeds]]~~ seed, ~~[[pods]]~~ pod, and ~~[[stems]]~~ stem.

17) (Currently amended) A method for producing a soybean seed comprising crossing a first parent soybean plant with a second parent soybean plant and harvesting the resultant ~~first generation~~ soybean seed, wherein said first or second parent soybean plant is ~~[[a]]the~~ soybean plant according to claim 2 or a soybean plant having all the physiological and morphological characteristics of ~~[[a]]the~~ plant according to claim 2.

18-35) (Canceled)

36) (New) A method for producing a S52-U3-derived soybean plant, comprising:

- a) crossing inbred soybean line S52-U3, representative seed of which have been deposited under ATCC Accession No: PTA-5164, with a second soybean plant to yield progeny soybean seed; and
- b) growing said progeny seed to yield said S52-U3-derived soybean plant.

37) (New) The method for producing a soybean seed according to claim 17, further comprising the step of growing said seed to produce a progeny soybean plant.